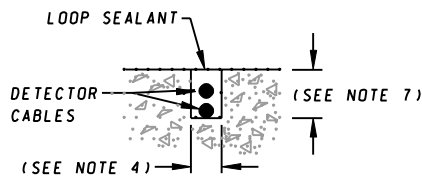
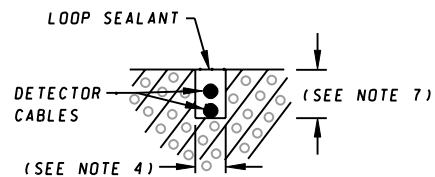


LOOP DETECTOR SAWCUT TYPICAL



SECTION B-B CONCRETE SURFACE



SECTION B-B ASPHALT SURFACE

NOTES:

1. WHEN A PROPOSED LOOP DETECTOR SAWCUT CROSSES A LATERAL ROADWAY JOINT OR VALVE COVER (I.e. MANHOLE, HANDHOLE, ETC.) LOOP DETECTOR INSTALLATION SHALL BE MODIFIED INTO TWO SEPARATE LOOP DETECTORS WHICH SHALL NOT TRAVERSE JOINTS OR VALVE COVERS.
2. THE LOOPS SHALL BE PLACED IN THE CENTER OF THE LANE UNLESS OTHERWISE NOTED ON PLANS.
3. PRESENCE LOOP DETECTORS ARE TO BE PLACED 12" BEHIND THE EXISTING OR PROPOSED STOP LINE.
4. LOOP DETECTOR AND PROBE SAWCUTS SHALL BE 3/8". LEAD-INS FROM THE LOOP DETECTOR TO THE EDGE OF PAVEMENT/CURB AND GUTTER SHALL BE 3/8".
5. 1 1/2" DRILL HOLES SHALL BE USED AT ALL CHANGES IN SAWCUT DIRECTIONS.
6. SEPARATE 1" ELECTRICAL CONDUIT SLEEVES SHALL BE REQUIRED FOR EACH LOOP SPACED 1'-0" MINIMUM APART IN ROADWAY
7. 2" DEPTH FOR CONCRETE ROAD SURFACE OR 4 1/2" DEPTH FOR ASPHALT ROAD SURFACE
8. MIDDLE PROBE SHALL BE CENTERED IN LANE.
9. LOOP DETECTORS AND PROBES INSTALLED AS PART OF A RESURFACING PROJECT, SHALL BE PLACED IN THE PAVING COURSE PRIOR TO THE FINAL SURFACE COURSE.
10. WHEN INDICATED ON THE PLANS FOR A LOOP DETECTOR TO BE INSTALLED IN A HOT ASPHALT PATCH, THE ROADWAY SHALL BE PATCHED TO CONFORM TO SECTION 505 PRIOR TO THE INSTALLATION OF THE LOOP DETECTOR. THE PATCH SIZE SHALL BE AS SHOWN ON THE PLANS.
11. DETECTOR TO BE INSTALLED IN PORTLAND CEMENT, CONCRETE PAVEMENT REPAIRS SHALL CONFORM TO SECTION 522 PRIOR TO THE INSTALLATION OF THE LOOP DETECTOR. MINIMUM LONGITUDINAL ROADWAY REPAIR SHALL BE 8' FOR 6' x 6' LOOP DETECTORS, AND 32' FOR 6' x 30' LOOP DETECTORS.

SPECIFICATION
505, 522
810, 815

CATEGORY CODE ITEMS

APPROVED

DIRECTOR - OFFICE OF TRAFFIC AND SAFETY



APPROVAL • SHA
REVISIONS
APPROVAL **7-1-94**
REVISED **10-1-01**
REVISED
REVISED

APPROVAL • FEDERAL
HIGHWAY ADMINISTRATION
APPROVAL **7-1-94**
REVISED **2-1-01**
REVISED
REVISED

Maryland Department of Transportation
STATE HIGHWAY ADMINISTRATION
STANDARDS FOR HIGHWAYS AND INCIDENTAL STRUCTURES

LOOP DETECTOR INSTALLATION

STANDARD NO.

MD 815.01